

PCT10

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/009,317

DATE: 01/14/2002  
 TIME: 12:01:09

Input Set : A:\Uc5042.app  
 Output Set: N:\CRF3\01142002\J009317.raw

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3 <110> APPLICANT: The Regents of the University of California  
 5 <120> TITLE OF INVENTION: Antimicrobial Theta Defensins and Methods of Using Same  
 7 <130> FILE REFERENCE: P-UC 5042  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/009,317  
 C--> 10 <141> CURRENT FILING DATE: 2001-11-09  
 12 <150> PRIOR APPLICATION NUMBER: PCT/US00/12842  
 13 <151> PRIOR FILING DATE: 2000-05-19  
 15 <150> PRIOR APPLICATION NUMBER: US 09/309,482  
 16 <151> PRIOR FILING DATE: 1999-05-10  
 18 <160> NUMBER OF SEQ ID NOS: 33  
 20 <170> SOFTWARE: PatentIn Ver. 2.0  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 18  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: Macaca mulatta  
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 66 <211> LENGTH: 6  
 67 <212> TYPE: PRT  
 68 <213> ORGANISM: Macaca mulatta  
 70 <400> SEQUENCE: 5  
 71 Cys Arg Arg Gly Val Cys  
 72 1 5

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77 <212> TYPE: PRT
78 <213> ORGANISM: Macaca mulatta
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82   1           5
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86 <211> LENGTH: 8
87 <212> TYPE: PRT
88 <213> ORGANISM: Macaca mulatta
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91 Arg Cys Ile Cys Thr Arg Gly Phe
92   1           5
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96 <211> LENGTH: 5
97 <212> TYPE: PRT
98 <213> ORGANISM: Macaca mulatta
100 <400> SEQUENCE: 8
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102   1           5
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106 <211> LENGTH: 18
107 <212> TYPE: PRT
108 <213> ORGANISM: Macaca mulatta
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114 Ile Cys
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123 <400> SEQUENCE: 10
124 Asn Lys Val Cys Tyr Arg Asn Gly Ile Pro Cys Gly Glu Ser Cys Val
125   1           5           10           15
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128       20           25           30
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133 <212> TYPE: PRT
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140 Gly Arg
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146 <212> TYPE: PRT

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147 <213> ORGANISM: Homo sapiens
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154           20           25           30
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160 <213> ORGANISM: Macaca mulatta
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164 <222> LOCATION: (95)..(325)
166 <400> SEQUENCE: 13
167 gacggctgct gttgtacag gagaccagg acagaggact gctgtctgca ctctctcttc 60
169 actctgccta acttgaggat ctgtcactcc agcc atg agg acc ttc gcc ctc ctc 115
170                               Met Arg Thr Phe Ala Leu Leu
171                               1           5
173 acc gcc atg ctt ctc ctg gtg gcc ctg cac gct cag gca gag gca cgt 163
174 Thr Ala Met Leu Leu Leu Val Ala Leu His Ala Gln Ala Glu Ala Arg
175           10           15           20
177 cag gca aga gct gat gaa gct gcc gcc cag cag cag cct gga aca gat 211
178 Gln Ala Arg Ala Asp Glu Ala Ala Ala Gln Gln Gln Pro Gly Thr Asp
179           25           30           35
181 gat cag gga atg gct cat tcc ttt aca tgg cct gaa aac gcc gct ctt 259
182 Asp Gln Gly Met Ala His Ser Phe Thr Trp Pro Glu Asn Ala Ala Leu
183 40           45           50           55
185 cca ctt tca gag tca gcg aaa ggc ttg agg tgc att tgc aca cga gga 307
186 Pro Leu Ser Glu Ser Ala Lys Gly Leu Arg Cys Ile Cys Thr Arg Gly
187           60           65           70
189 ttc tgc cgt ttg tta taa tgtcaccttg ggtcctgcgc tttcgtggt 355
190 Phe Cys Arg Leu Leu
191           75
193 tgactccacc ggatctgctg ccgctgagct tccagaatca agaaaaatat gctcagaagt 415
195 tacttttgaga gttaaaagaa attcttgcta ctgctgtacc ttctcctcag tttccttttc 475
197 tcatcccaaa taaatacctt atcgc 500
200 <210> SEQ ID NO: 14
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202 <212> TYPE: PRT
203 <213> ORGANISM: Macaca mulatta
205 <400> SEQUENCE: 14
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210           20           25           30
212 Gln Gln Gln Pro Gly Thr Asp Asp Gln Gly Met Ala His Ser Phe Thr
213           35           40           45
215 Trp Pro Glu Asn Ala Ala Leu Pro Leu Ser Glu Ser Ala Lys Gly Leu
216           50           55           60

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218 Arg Cys Ile Cys Thr Arg Gly Phe Cys Arg Leu Leu
219 65 70 75
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223 <211> LENGTH: 495
224 <212> TYPE: DNA
225 <213> ORGANISM: Macaca mulatta
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228 <221> NAME/KEY: CDS
229 <222> LOCATION: (90)..(320)
231 <400> SEQUENCE: 15
232 gaccgtgct cttgctacag gagaccggg acagaggact gctgtctgcc ctctctcttc 60
234 actctgccta acttgaggat ctgccagcc atg agg acc ttc gcc ctc ctc acc 113
235 Met Arg Thr Phe Ala Leu Leu Thr
236 1 5
238 gcc atg ctt ctc ctg gtg gcc ctg cac gct cag gca gag gca cgt cag 161
239 Ala Met Leu Leu Leu Val Ala Leu His Ala Gln Ala Glu Ala Arg Gln
240 10 15 20
242 gca aga gct gat gaa gct gcc gcc cag cag cag cct gga gca gat gat 209
243 Ala Arg Ala Asp Glu Ala Ala Ala Gln Gln Gln Pro Gly Ala Asp Asp
244 25 30 35 40
246 cag gga atg gct cat tcc ttt aca cgg cct gaa aac gcc gct ctt ccg 257
247 Gln Gly Met Ala His Ser Phe Thr Arg Pro Glu Asn Ala Ala Leu Pro
248 45 50 55
250 ctt tca gag tca gcg aga ggc ttg agg tgc ctt tgc aga cga gga gtt 305
251 Leu Ser Glu Ser Ala Arg Gly Leu Arg Cys Leu Cys Arg Arg Gly Val
252 60 65 70
254 tgc caa ctg tta taa aggcgtttgg ggtcctgcgc ttttcgtggt tgactctgcc 360
255 Cys Gln Leu Leu
256 75
258 ggatctgctg ccgctgagct tccagaatca agaaaaatac gctcagaagt tactttgaga 420
260 gttgaaagaa attcctgtta ctctgtacc ttgtcctcaa tttccttttc tcatcccaaa 480
262 taaatacctt ctgcg 495
265 <210> SEQ ID NO: 16
266 <211> LENGTH: 76
267 <212> TYPE: PRT
268 <213> ORGANISM: Macaca mulatta
270 <400> SEQUENCE: 16
271 Met Arg Thr Phe Ala Leu Leu Thr Ala Met Leu Leu Leu Val Ala Leu
272 1 5 10 15
274 His Ala Gln Ala Glu Ala Arg Gln Ala Arg Ala Asp Glu Ala Ala Ala
275 20 25 30
277 Gln Gln Gln Pro Gly Ala Asp Asp Gln Gly Met Ala His Ser Phe Thr
278 35 40 45
280 Arg Pro Glu Asn Ala Ala Leu Pro Leu Ser Glu Ser Ala Arg Gly Leu
281 50 55 60
283 Arg Cys Leu Cys Arg Arg Gly Val Cys Gln Leu Leu
284 65 70 75
287 <210> SEQ ID NO: 17
288 <211> LENGTH: 27

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289 <212> TYPE: DNA
290 <213> ORGANISM: Macaca mulatta
292 <220> FEATURE:
293 <221> NAME/KEY: CDS
294 <222> LOCATION: (1)..(27)
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309 1 5
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313 <211> LENGTH: 27
314 <212> TYPE: DNA
315 <213> ORGANISM: Macaca mulatta
317 <220> FEATURE:
318 <221> NAME/KEY: CDS
319 <222> LOCATION: (1)..(27)
321 <400> SEQUENCE: 19
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324 1 5
327 <210> SEQ ID NO: 20
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329 <212> TYPE: PRT
330 <213> ORGANISM: Macaca mulatta
332 <400> SEQUENCE: 20
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334 1 5
337 <210> SEQ ID NO: 21
338 <211> LENGTH: 92
339 <212> TYPE: PRT
340 <213> ORGANISM: Macaca mulatta
342 <400> SEQUENCE: 21
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346 His Ala Gln Ala Glu Ala Arg Gln Ala Arg Ala Asp Glu Ala Ala Ala
347 20 25 30
349 Gln Gln Gln Pro Gly Thr Asp Asp Gln Gly Met Ala His Ser Phe Thr
350 35 40 45
352 Trp Pro Glu Asn Ala Ala Leu Pro Leu Ser Glu Ser Ala Lys Gly Leu
353 50 55 60
355 Arg Cys Ile Cys Thr Arg Gly Phe Cys Arg Leu Leu Cys His Leu Gly
356 65 70 75 80

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**VERIFICATION SUMMARY**

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L:9 M:270 C: Current Application Number differs, Replaced Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date